

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011511

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/70093 A (OLIGOS ETC. INC; DALE, RODERIC, M., K) 23 November 2000 (2000-11-23)	1-7, 11-13
Y	page 10, paragraph 2; claim 1; example 2 page 2, paragraph 2 page 8, paragraph 1-3 page 9 page 16, line 9 ----- -/-	8-10, 14-20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

05/04/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>VENKATESAN NATARAJAN ET AL: "Novel phosphoramidite building blocks in synthesis and applications toward modified oligonucleotides." CURRENT MEDICINAL CHEMISTRY, vol. 10, no. 19, October 2003 (2003-10), pages 1973-1991, XP009045165 ISSN: 0929-8673 page 1977, right-hand column, paragraph 3 page 1978</p>	8-10, 14-20
Y	<p>KRICHEVSKY A M ET AL: "A microRNA array reveals extensive regulation of microRNAs during brain development" RNA 01 OCT 2003 UNITED STATES, vol. 9, no. 10, 1 October 2003 (2003-10-01), pages 1274-1281, XP002321355 ISSN: 1355-8382 abstract; table 1</p>	8-10, 14-20
X	<p>CUMMINS L L ET AL: "CHARACTERIZATION OF FULLY 2'-MODIFIED OLIGORIBONUCLEOTIDE HETERO- AND HOMODUPLEX HYBRIDIZATION AND NUCLEASE SENSITIVITY" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 23, no. 11, 11 June 1995 (1995-06-11), pages 2019-2024, XP002048574 ISSN: 0305-1048 abstract; tables 1-3</p>	1-7
A	<p>BUDACH WOLFGANG ET AL: "Generation of transducers for fluorescence-based microarrays with enhanced sensitivity and their application for gene expression profiling." ANALYTICAL CHEMISTRY. 1 JUN 2003, vol. 75, no. 11, 1 June 2003 (2003-06-01), pages 2571-2577, XP002321370 ISSN: 0003-2700 cited in the application abstract</p>	13
P,X	<p>WO 2004/057017 A (THIRD WAVE TECH INC 'US!; DAHLBERG JAMES E 'US!; ALLAWI HATIM T 'US!;) 8 July 2004 (2004-07-08) page 38; claims 1-4,13; figure 7; example 9</p>	1-20
E	<p>WO 2005/003318 A (PERKINELMER LAS, INC; JOSEPH, RICHARD; DIMEO, JAMES) 13 January 2005 (2005-01-13) abstract; claim 1</p>	1-20

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 14-20 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; It is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011511

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0070093	A	23-11-2000	AU	5269600 A	05-12-2000
			WO	0070093 A1	23-11-2000
WO 2004057017	A	08-07-2004	WO	2004057017 A2	08-07-2004
WO 2005003318	A	13-01-2005	WO	2005003318 A2	13-01-2005